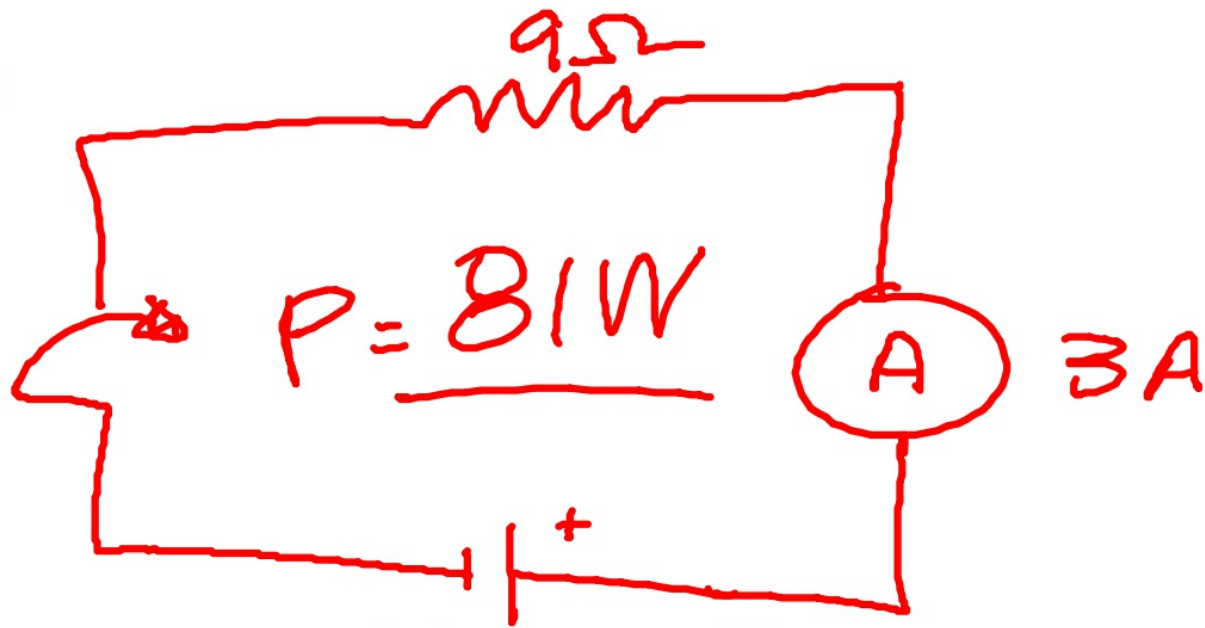


#2

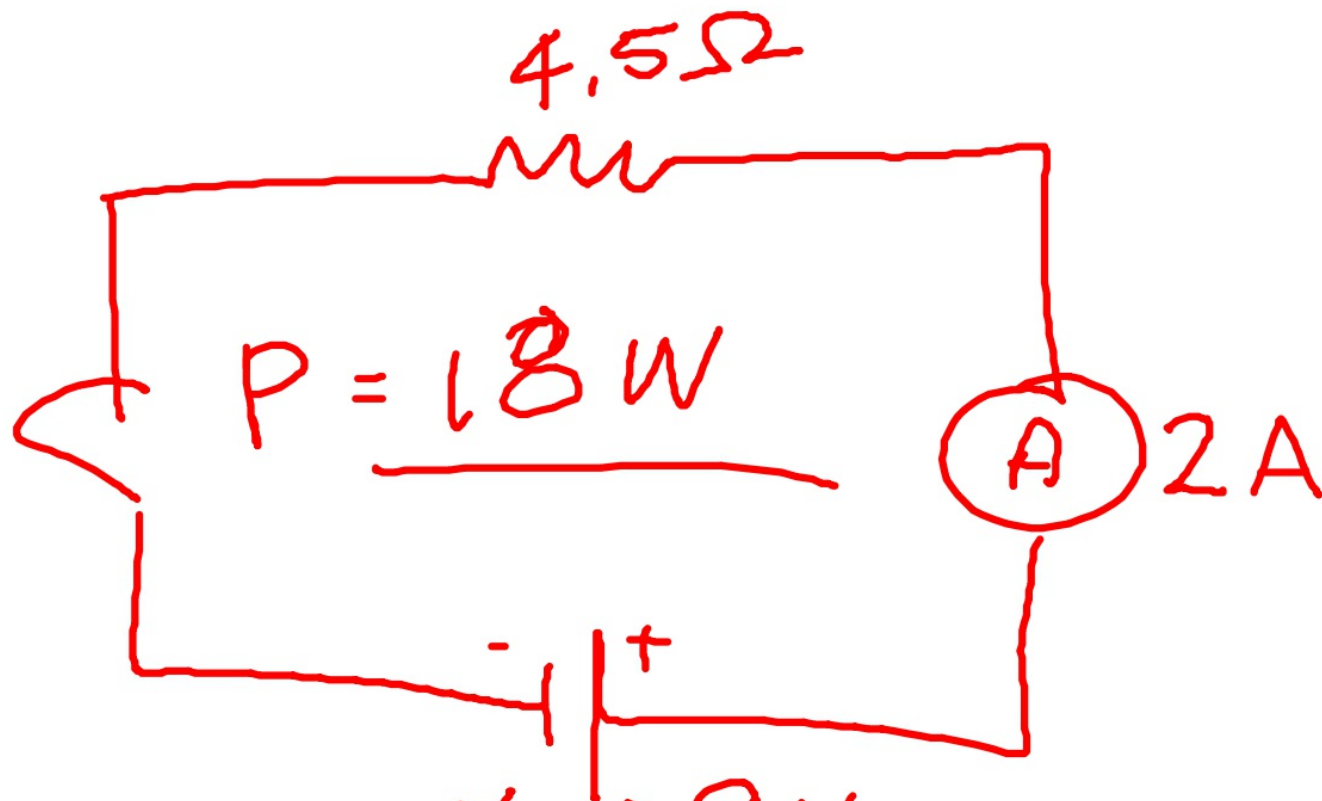


$$V = 27V$$

$$V = IR = (3A)(9\Omega) = 27V$$

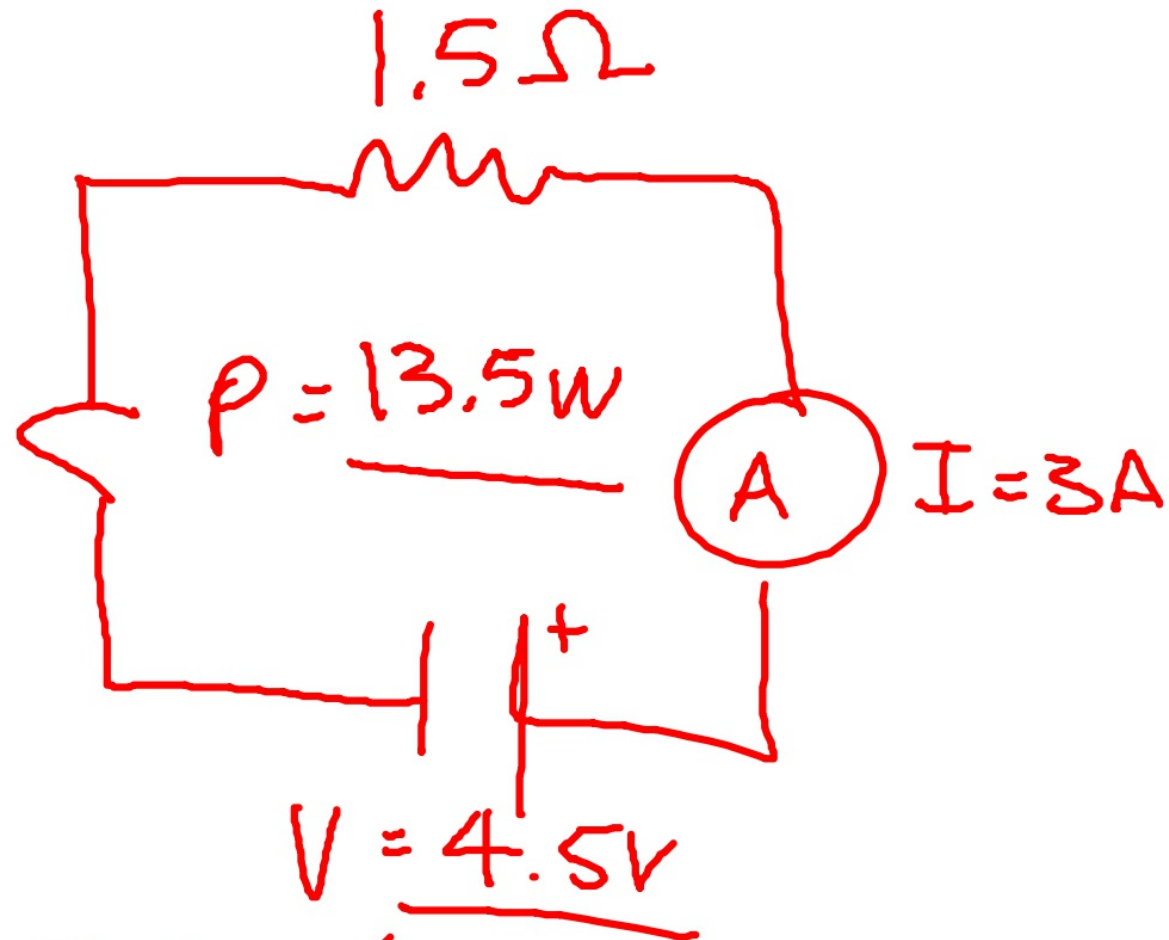
$$P = IV = (3A)(27V) = 81W$$

#3



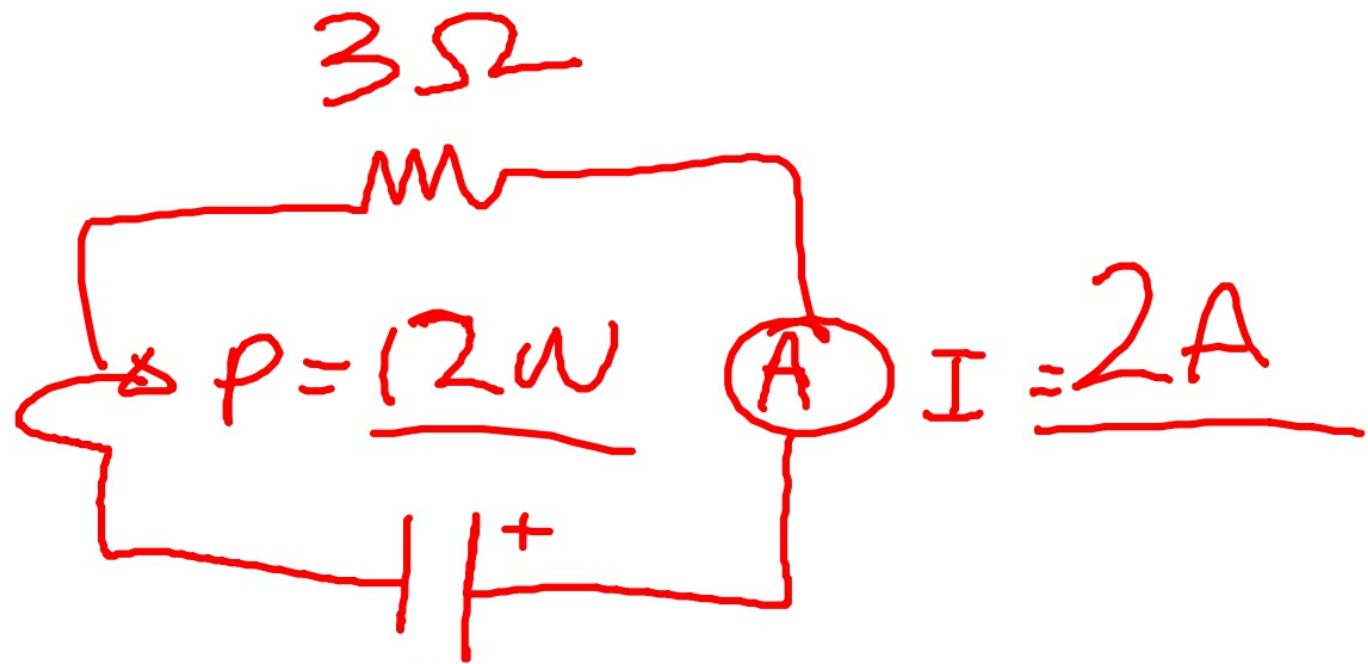
$$V = ? 9V$$
$$V = IR = (4.5\Omega)(2A) = 9V$$
$$P = IV = (2A)9V = 18W$$

#4



$$V = IR = (3A)(1.5\Omega) = 4.5V$$
$$P = IV = (3A)(4.5V) = 13.5W$$

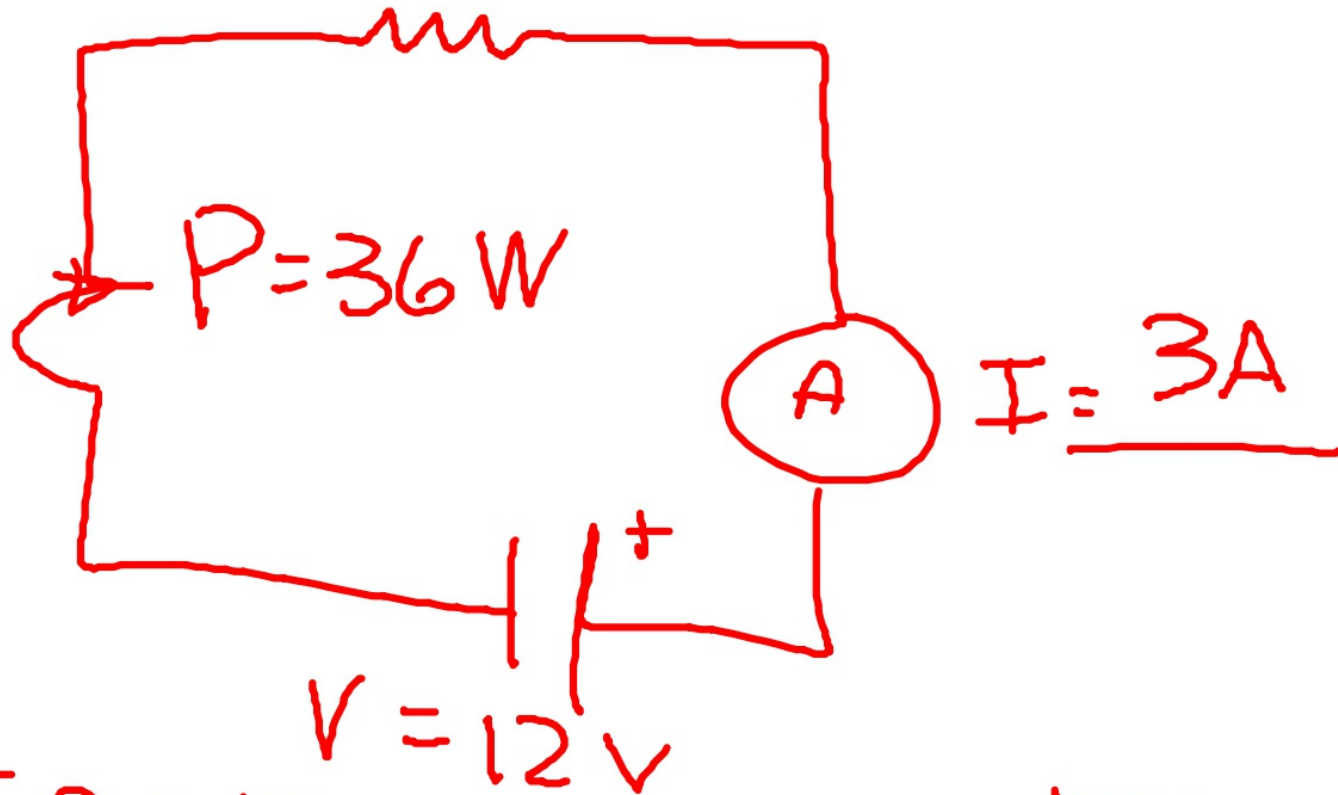
#5



$$V = IR = 6V = \frac{6V}{3\Omega} = 2A$$
$$P = IV = (2A)(6V) = 12W$$

#6

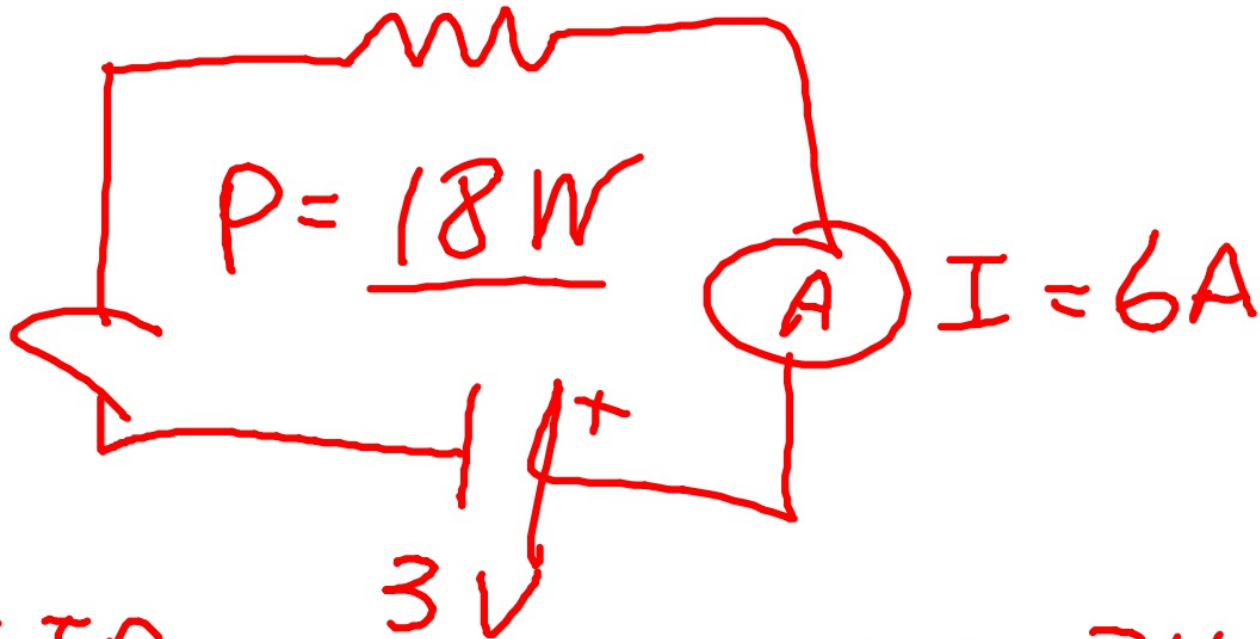
$$R = 4\Omega$$



$$V = IR = 12V = I(4\Omega) \quad I = \frac{12V}{4\Omega} = 3A$$
$$P = IV = (3A)(12V) = 36W$$

#7

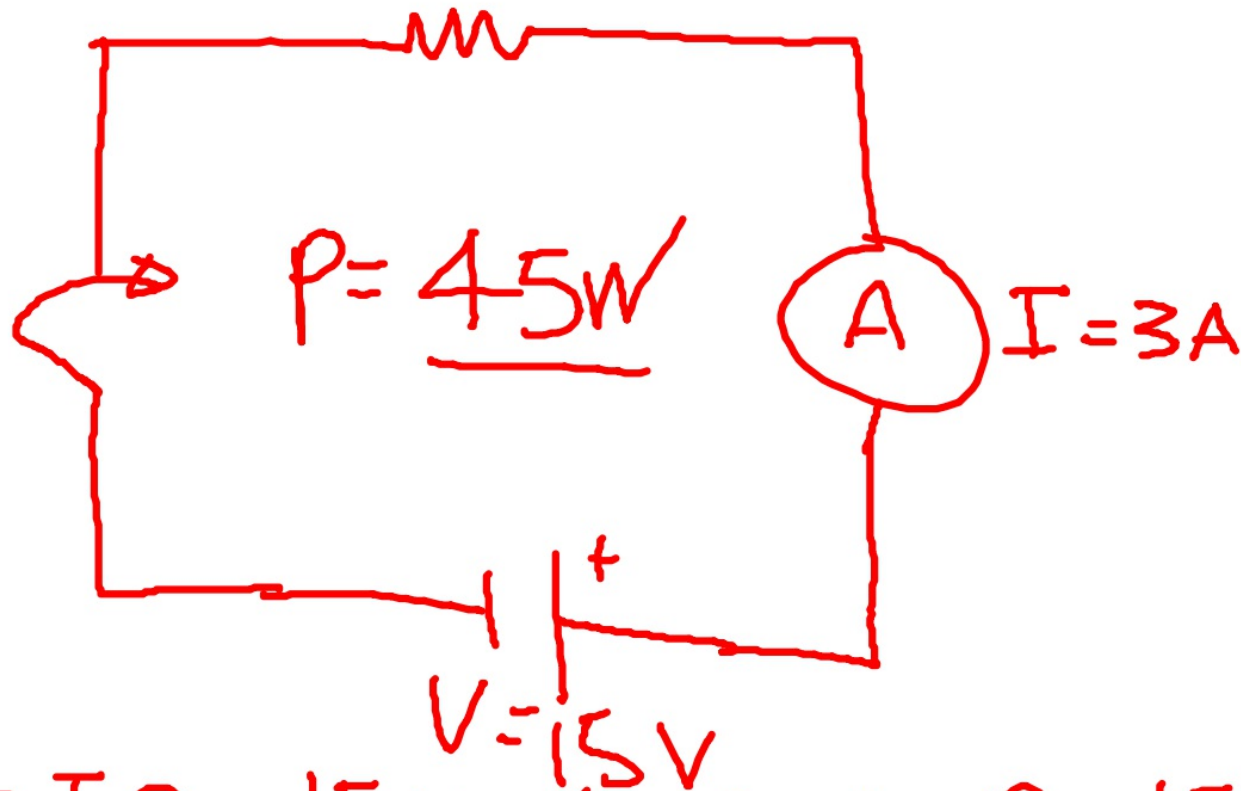
$$R = .5 \Omega$$



$$V = IR = 3V = 6A(R) \frac{3V}{6A} = .5 \Omega$$
$$P = IV = (6A)(3V) = 18W$$

#8

$$R = \underline{5\Omega}$$



$$V = IR = 15V = (3A)(R) \quad R = \frac{15V}{3A} = 5\Omega$$
$$P = IV = (3A)(15V) = 45W$$